PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION See Form PCT/IPEA/416					
2032642PC/ko	FOR FURTHER ACTION See Form PCT/IPEA/416					
International application No.	International filing date (day/month/year)	Priority date (day/month/year)				
PCT/FI2004/000714	25-11-2004	27-11-2003				
International Patent Classification (IPC) or national classification and IPC						
See Supplemental Box						
Applicant						
Uponor Innovation AB	et al					
1. This report is the international prel	liminary examination report, established by t	his International Preliminary Examining				
	insmitted to the applicant according to Articl					
2. This REPORT consists of a total o	sheets, including this cov	ver sheet.				
3. This report is also accompanied by	ANNEXES, comprising:					
a. (sent to the applicant	and to the International Bureau) a total of	sheets, as follows:				
		ve been amended and are the basis of this report				
	containing rectifications authorized by this A e Instructions).	authority (see Rule 70.16 and Section 607 of the				
		ority considers contain an amendment that goes				
beyond the dis Supplemental	• •	ed, as indicated in item 4 of Box No. I and the				
	nal Bureau only) a total of (indicate type and	inumber of electronic carrier(s)				
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Administrative Instruc						
4. This report contains indications re	· ·					
	the report					
Box No. II Priority						
<u></u>	ablishment of opinion with regard to novelty	, inventive step and industrial applicability				
	unity of invention					
	ed statement under Article 35(2) with regard pility; citations and explanations supporting s					
Box No. VII Certain	Box No. VII Certain defects in the international application					
Box No. VIII Certain	<u></u>					
Date of submission of the demand	Date of completion	n of this report				
22-09-2005		27-02-2006				
Name and mailing address of the IPEA/SE Patent- och registreringsverket	E Authorized office					
Box 5055 8-102 42 STOCKHOLM Inger Löfving / JA A						
Facsimile No. +46 8 667 72 88		Ving / JA A 16 8 782 25 00				

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Form PCT/IPEA/409 (cover sheet) (April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/FI2004/000714

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INTERNATIONAL	PATENT	CLASSIFICATION	(IPC):	
F16L 47/16 (20	006.01)			
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Form PCT/IPEA/409 (Supplemental Box) (April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/FI2004/000714

Box N	Vo. I	Basis of the report				
1. \	With re	regard to the language, this report is based on:				
	the international application in the language in which it was filed					
	a translation of the international application into which is the language of a translation furnished for the purposes of:					
		international search (Rules 12.3(a) and 23.1(b))				
		publication of the international application (Rule 12.4(a))				
		international preliminary examination (Rules 55.2(a) and/or 55.3(a))				
)	With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):					
		the international application as originally filed/furnished the description:				
	<u></u>	pages	as originally filed/furnished			
		pages* received by this Author				
			ity on			
		the claims:				
		pages	as originally filed/furnished			
			together with any statement) under Article 19			
			ity on			
	ا		rity on			
		the drawings:	an animinally file 16 1-1			
		pages* received by this Author	as originally filed/fumished ity on			
		· · · · · · · · · · · · · · · · · · ·	rity on			
		a sequence listing and/or any related table(s) – see Supplemental Box Relat				
			- · · · · · · · · · · · · · · · · · · ·			
3.		The amendments have resulted in the cancellation of:				
		the description, pages	<u></u>			
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
4.		This report has been established as if (some of) the amendments annexed made, since they have been considered to go beyond the disclosure as file 70.2(c)).	7			
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
* ,	lf item	a 4 applies, some or all of those sheets may be marked "superseded."				
F	D C C (1)	IDE A /400 (Pay No. 1) (April 2005)				

International application No.

PCT/FI2004/000714

Box No. V Res		Reasoned statement useritations and explanat	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement						
	Novel	ty (N)	Claims Claims	1-16	YES NO		
	Inven	tive step (IS)	Claims Claims	1-16	YES NO		
	Indus	trial applicability (IA)	Claims Claims	1-16	YES NO		

2. Citations and explanations (Rule 70.7)

1

The invention relates to a pipe fitting.

Reference is made to the following document/documents:

D1: US 3502355 A1
D2: AU 3518171 A1
D3: US 2484644 A1
D4: US 3856065 A1
D5: US 4154466 A1

The principal document D1 (col. 4 line 52-col.5 line 5, fig.7-10) describes a pipe connection system with a driving section within a threaded aperture with longitudinal ribs.

Document D2 (fig. A) shows a foot valve with a thread and it seems to be protrusions on the bottom of a groove.

Document D3 (fig.1-3) describes a self-locking and sealing screw. See also document D4.

The principal document D5 shows a pipe fitting with the thread arranged at a distance from the end of the pipe fitting that act as a guide surface.

By studying the search report one would get the impression that documents D1-D5 anticipate he invention according to claims 1-16, but the cited documents lack important features, namely, the pipe fittings according to claim 1 differs from document D1 in that the threaded aperture have protrusions on

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Supplemental Box

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In case the space in any of the preceding boxes is not sufficient.

Continuation of: Box V

bottom of the groove, and claim 10 differs from document D5 in that the thread is arranged at a distance from the end of the pipe fitting an that the unthreaded suction acting as a guide surface. The invention according to claims 1 and 10 is therefore novel.

The invention according to claims 1 and 10 is not obvious and is therefore considered to involve an inventive step.

There is no reason to doubt the industrial applicability of the claimed pipe fitting.

Consequently the dependent claims 2-9 and 11-16 also satisfy all three criteria

All documents in the search report should be categorized "A" instead of "X" and "Y".

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